

with the center of gravity of any telescope placed upon it, thus improving the rotational balance of the system and reducing the power required to drive it.

It can also be seen by inspection of figures 5 and 6, which the adjustable front bearing surface 11 could be easily replaced by

Thus there has been described an invention which allows for adjustment of elements to allow operation of an equatorial tracking platform at any latitude angle. Having described my invention, many modifications will become apparent to those skilled in the art to which it pertains without deviation from the spirit of the invention as defined by the scope of the appended claims.

I claim:

1. An equatorial tracking platform for a telescope, operable at a plurality of latitudes, said platform comprising:

an essentially planar telescope platform, said platform having a top and bottom side, a platform base being situated below said platform top;

said platform base having a plurality of adjustable engagement angle rolling bearing elements;

said top platform element having attached to its underside a contoured rear bearing block having fabricated into its surfaces varying radii segments;

said top platform also having a fixed front bearing surface of fixed radius and adjustable angle;

said front bearing and rear bearing surface contacting said rolling body elements.

2. An equatorial tracking platform for a telescope, operable at a plurality of latitudes by means of adjusting the angles of it's rolling surfaces and contact rollers.

3. An equatorial tracking platform for a telescope of claim 1, having motors fitted to one or more of its rolling bearing elements.

4. An equatorial tracking platform for a telescope, operable at a plurality of latitudes, said platform comprising:

an essentially planar telescope platform, said platform having a top and bottom side, a platform base being situated below said platform top;

said platform base having a plurality of adjustable engagement angle rolling bearing elements;

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- said top platform element having attached to its underside a contoured rear bearing block having fabricated into its surfaces varying radii segments;
- said top platform also having a front bearing surface of having fabricated into its surfaces varying radii segments.
- said front bearing and rear bearing surface contacting said rolling body elements.
- 5. An equatorial tracking platform for a telescope of claim 4, having motors fitted to one or more of its rolling bearing elements.
- 6. An equatorial tracking platform for a telescope, operable at a plurality of latitudes, said platform comprising:
  - an essentially planar telescope platform, said platform having a top and bottom side, a platform base being situated below said platform top;
  - said platform base having a plurality of adjustable engagement angle rolling bearing elements;
  - said top platform element having attached to it's underside a contoured rear bearing block having fabricated into its surfaces varying radii segments;
  - said top platform also having a front bearing surface of having fabricated into its surfaces fixed radii segments.
  - said front bearing and rear bearing surface contacting said rolling body elements.
- 7. An equatorial tracking platform for a telescope of claim 6, having motors fitted to one or more of its rolling bearing elements